

WHAT IS CLAIMED IS:

1. A nano carbon ball for deodorization comprising a porous carbon shell having a spherical hollow core, wherein at least one metal selected from the group consisting of transition metal, oxidized transition metal and alkali metal salt is
5 impregnated to the shell.

2. A nano carbon ball for deodorization according to claim 1,
wherein the transition metal is one selected from the group consisting of Copper
10 (Cu), Iron (Fe), Manganese (Mn), Nickel (Ni), Cobalt (Co), Silver (Ag), Gold (Au), Vanadium (V), Ruthenium (Re), Titanium (Ti), Chrome (Cr), Zinc (Zn) and Palladium (Pd), and

wherein the alkali metal salt is one selected from the group consisting of sodium bromide (NaBr), sodium iodide (NaI), potassium bromide (KBr), potassium iodide (KI)
15 and potassium iodate (KIO₃).

3. A nano carbon ball for deodorization according to claim 1 or 2,
wherein an impregnated amount of the metal is 0.01 ~ 30 wt% on the basis of the total weight of the nano carbon ball for deodorization.

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4. A nano carbon ball for deodorization according to claim 1 or 2,
wherein the spherical hollow core has a diameter of 10 ~ 1,000nm, and the porous carbon shell has a thickness of 50 ~ 500nm.